

ABSTRACT OF THE DISCLOSURE

A highly compact and easily fabricated band pass filter is disclosed. A band pass filter according to the present invention employs a first half-wave ($\lambda/2$) resonator having a first open end on which an input terminal is formed and a second open end opposite to the first open end, a second half-wave ($\lambda/2$) resonator having a third open end on which an output terminal is formed and a fourth open end opposite to the third open end, and an evanescent waveguide interposed between the second open end of the first resonator and the fourth open end of the second resonator. The first half-wave ($\lambda/2$) resonator, the second half-wave ($\lambda/2$) resonator, and the evanescent waveguide being single-unit. An air gap does not have to be formed by mounting components on a printed circuit board. Therefore, the overall size of the band pass filter can be miniaturized and fabrication of the band pass filter is simplified.